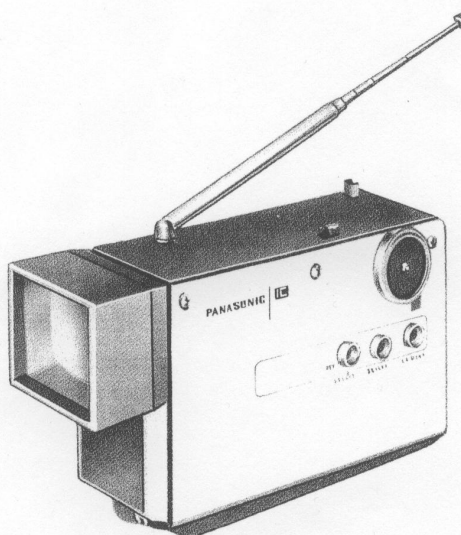


PERSONAL PORTABLE TELEVISION RECEIVER

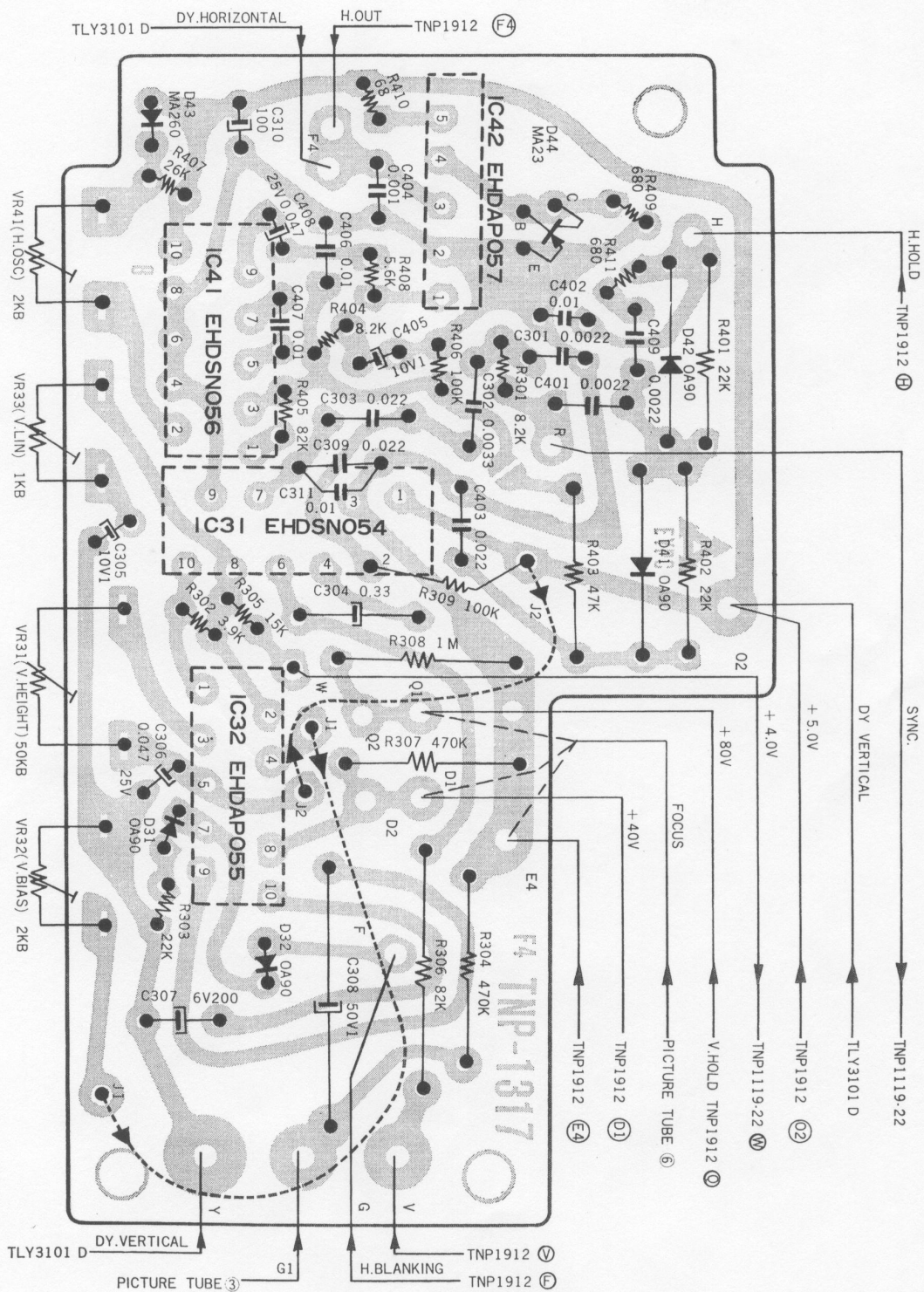
MODEL TR-001



SPECIFICATIONS

Power Input Rating	DC : 5V, AC : 120V 60Hz		
	with AC Adaptor	Speaker	Heater Voltage 2.0V
Power Consumption	DC : 1.7W, AC : 9.5W max.	Sound Output	Heater Current 90mA
	with AC Adaptor	Automatic Circuits	1½ inches, dynamic
Antennas	VHF and UHF Rod antenna :		Max. 100mW
	75 Ohm Unbalanced		Peak AGC
	VHF and UHF External antenna :		AVR (Automatic Voltage Regulator)
	75 Ohm Unbalanced		AOCP (Automatic Over Charge
	VHF 2-13 ch., UHF 14-83 ch.,		Protector)
	U. S. A. standard		Automatic Noise Canceller
Channels		Dimensions	Height : 4 ¼"
IF. Frequency	Video 45.75 MHz Sound 41.25 MHz		Width : 2 ¼"
Integrated Circuits	11		Depth : 7 ½" (with front hood)
Transistors	8	Weight	1.85 lbs (with Battery)
Thermistor	1	Battery	4 (PANASONIC Nickel Cadmium
Diodes	25		Battery NO. SHC-45)
H. V. Rectifier	1 block (11 diodes)		
Picture Tube	S 4047		
	36° deflection, aluminized		
	1.115 square inches.		

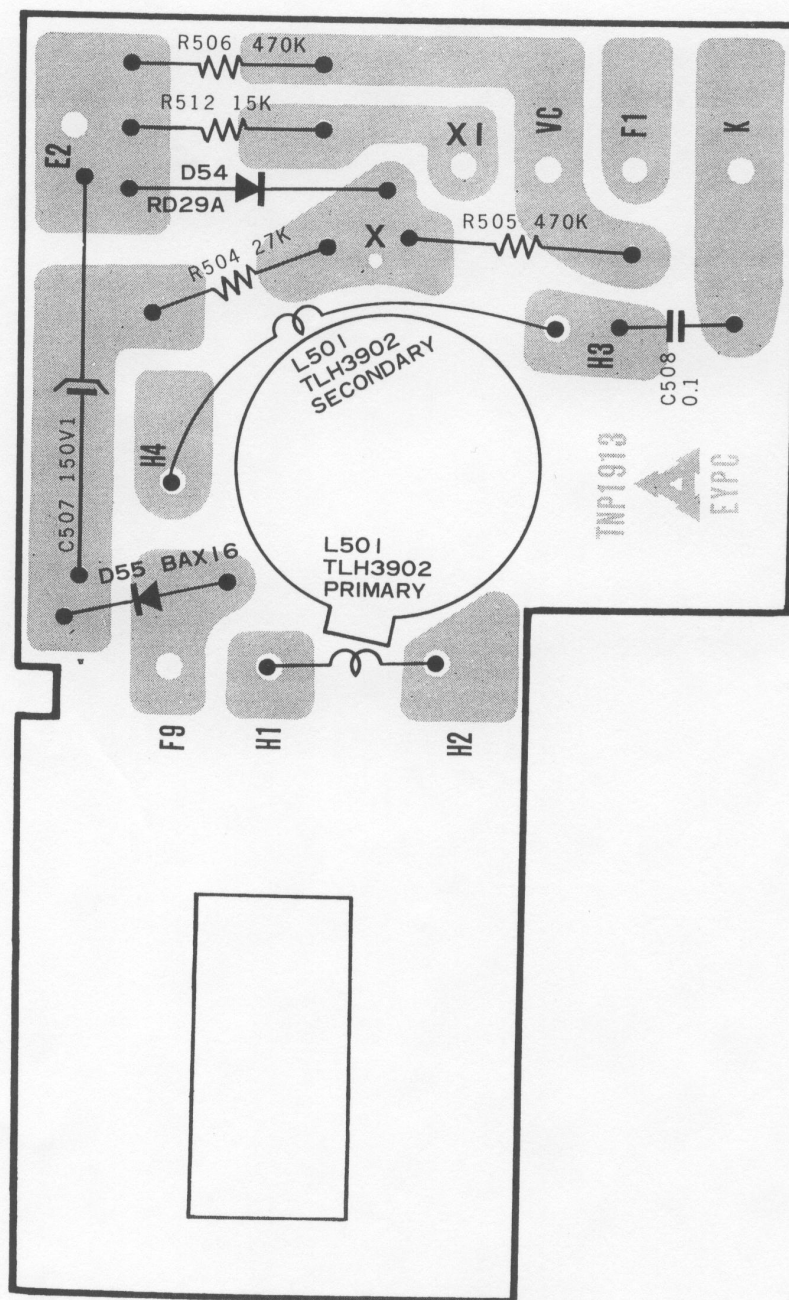




DEFLECTION PRINTED CIRCUIT BOARD (TNP 1317)

CONDUCTOR VIEW





TNP 1913

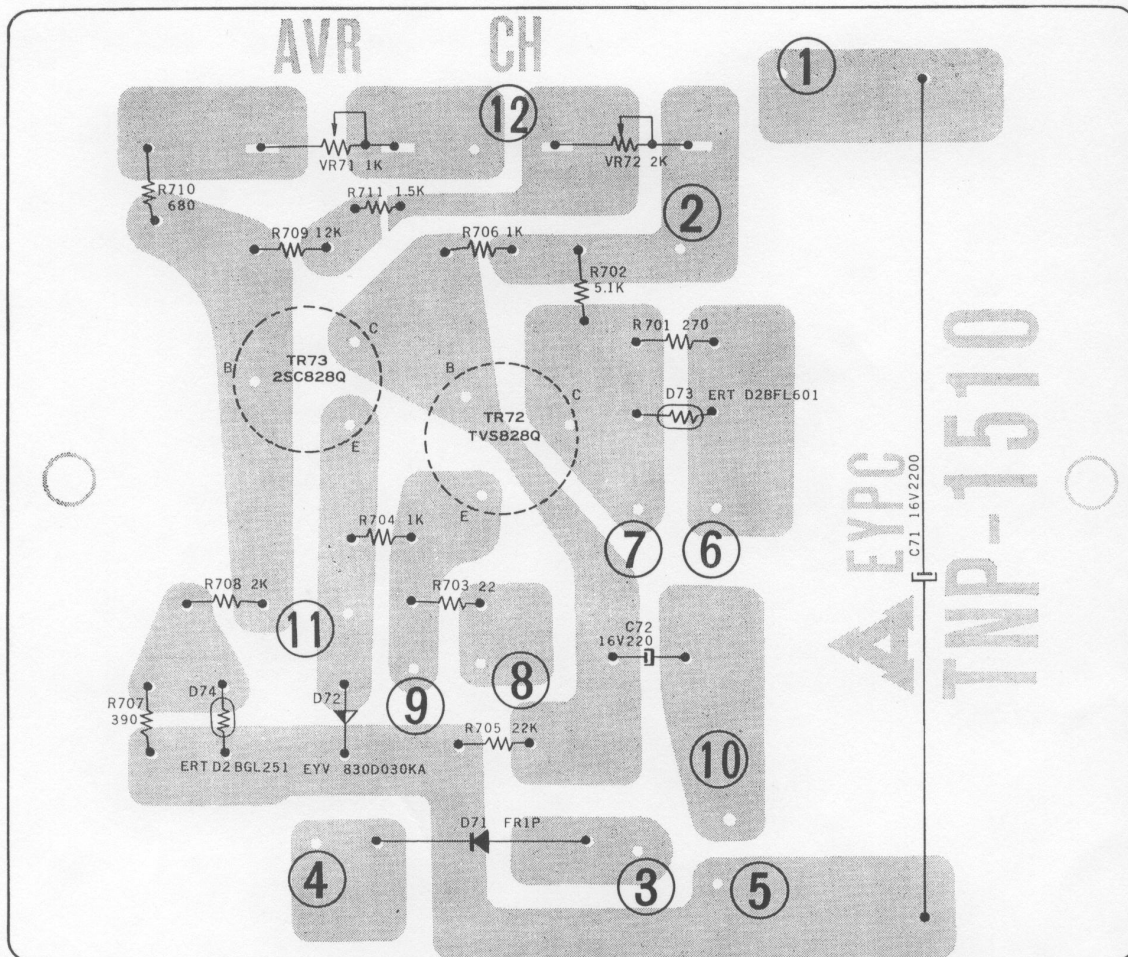
CONDUCTOR VIEW

UNIT OF THE 4TH DIVISION

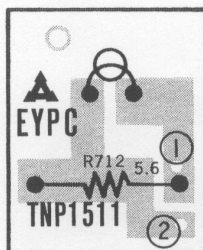
BROWN .INF 1317 (V)

L.BLUE TNP1317 (V)

AC ADAPTOR



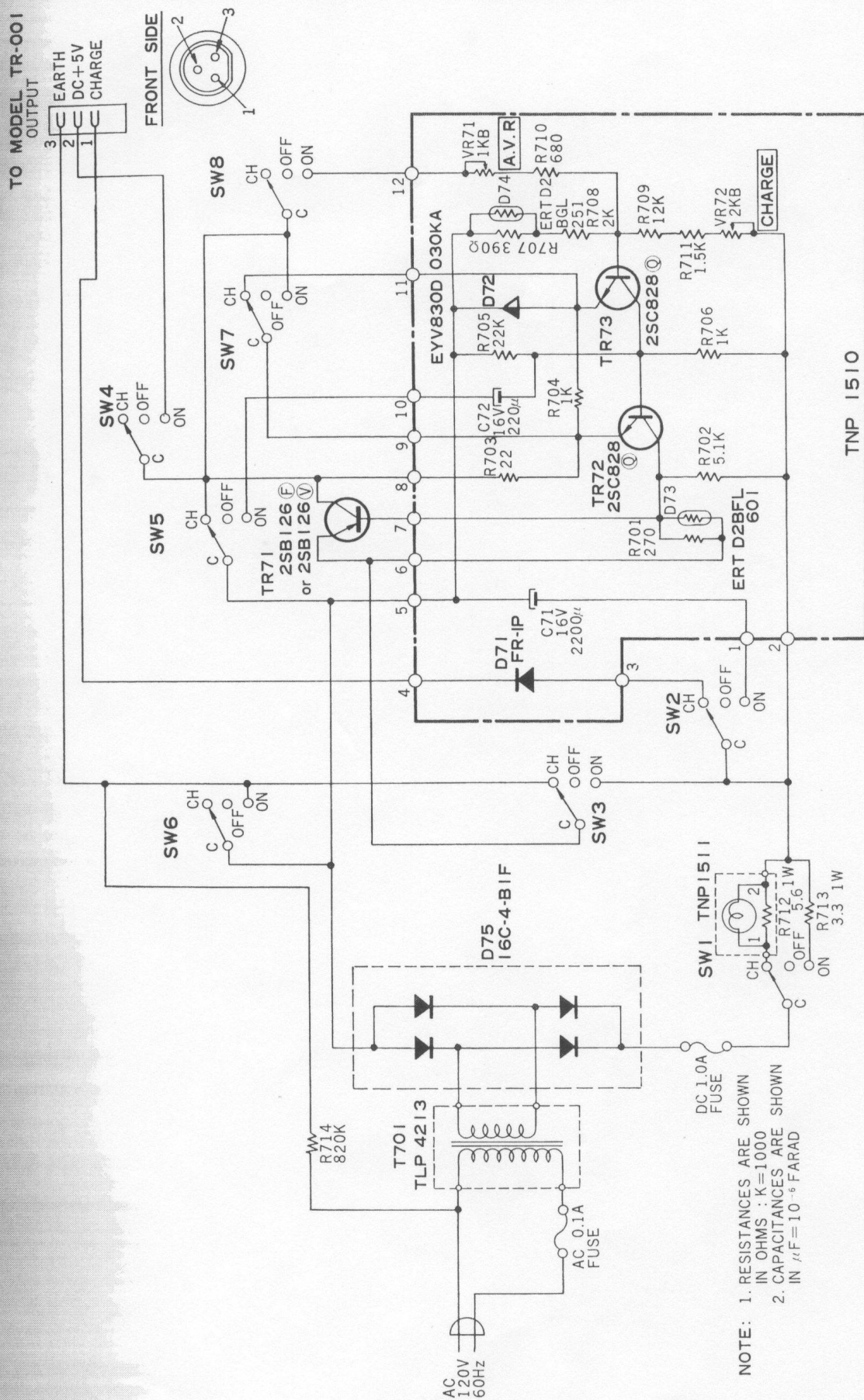
AVR & AOCB PRINTED CIRCUIT BOARD (TNP 1510)



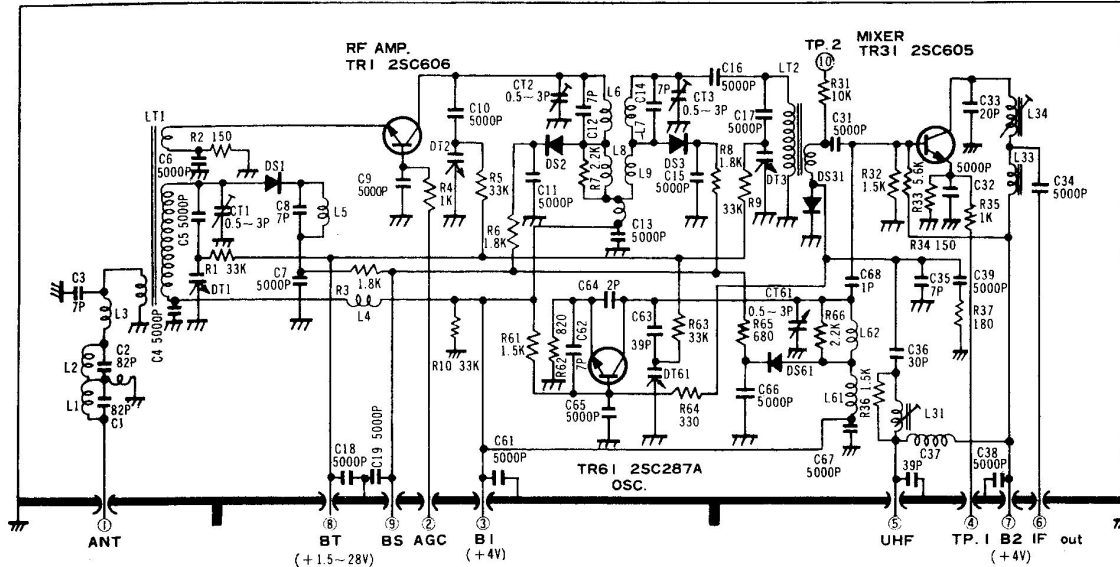
PILOT LAMP PRINTED CIRCUIT BOARD (TNP 1511)

CONDUCTOR VIEW

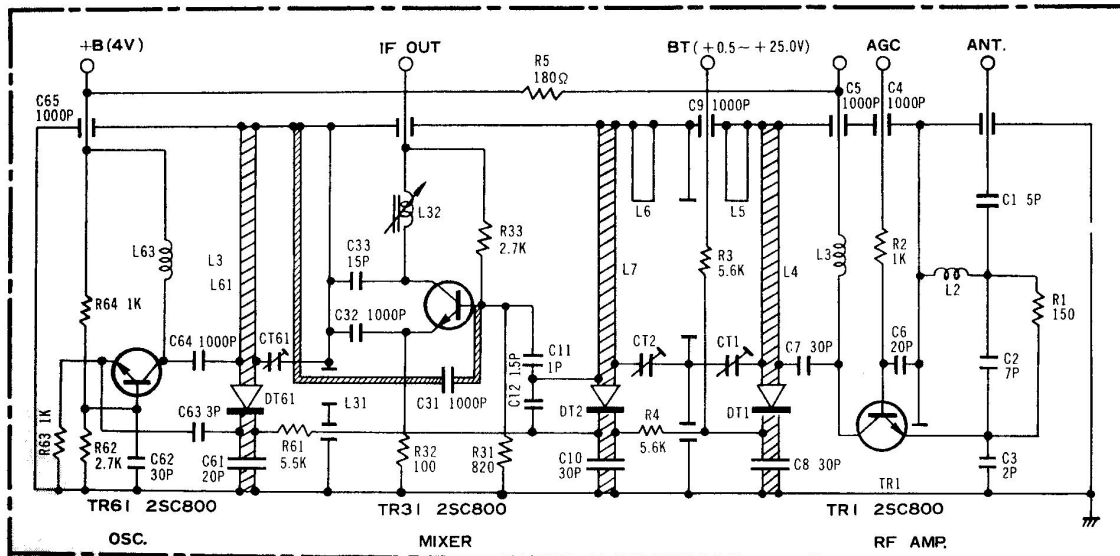
SCHEMATIC DIAGRAM MODEL TY-196P



VHF TUNER TNV 16201



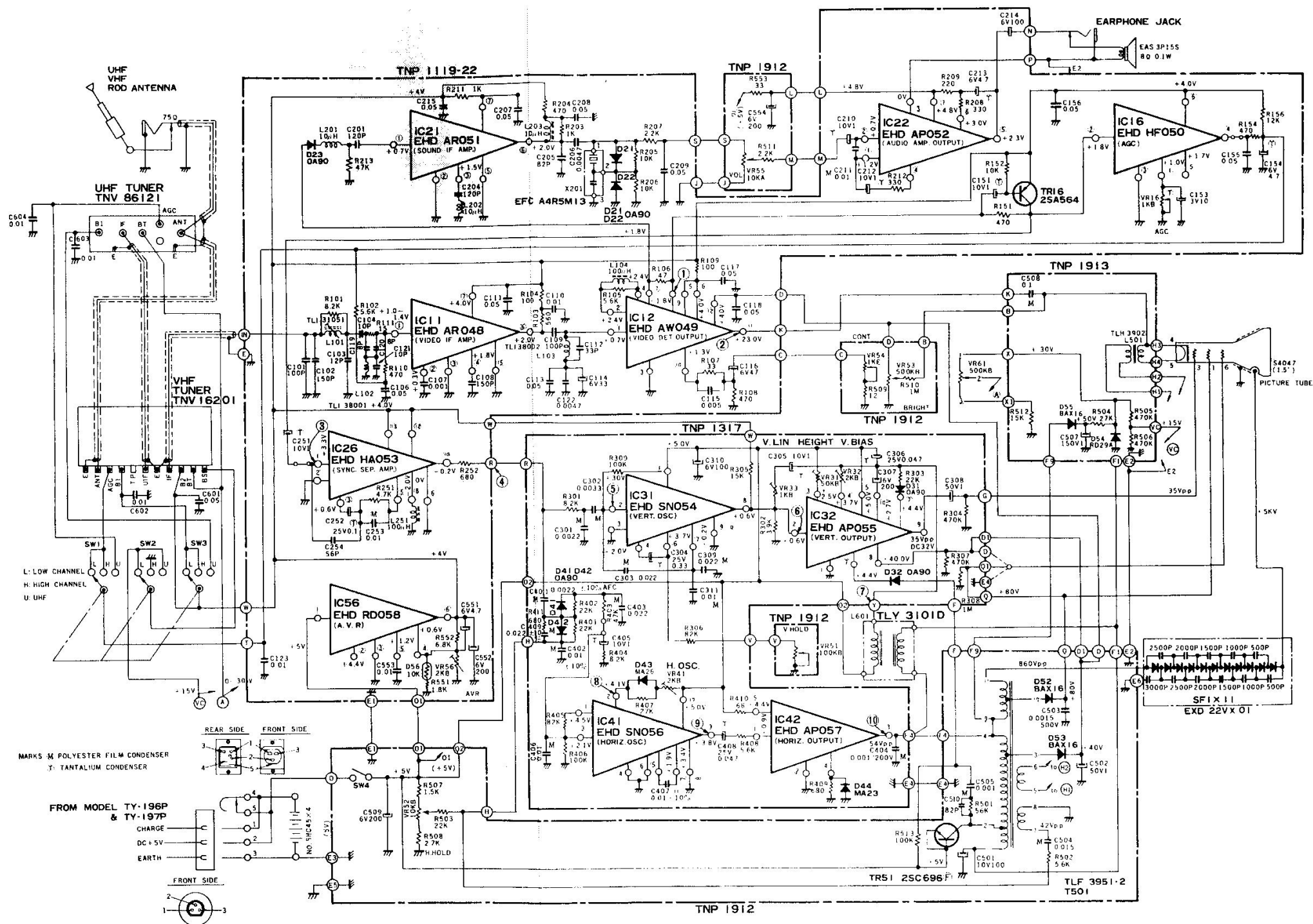
UHF TUNER TNV 86121



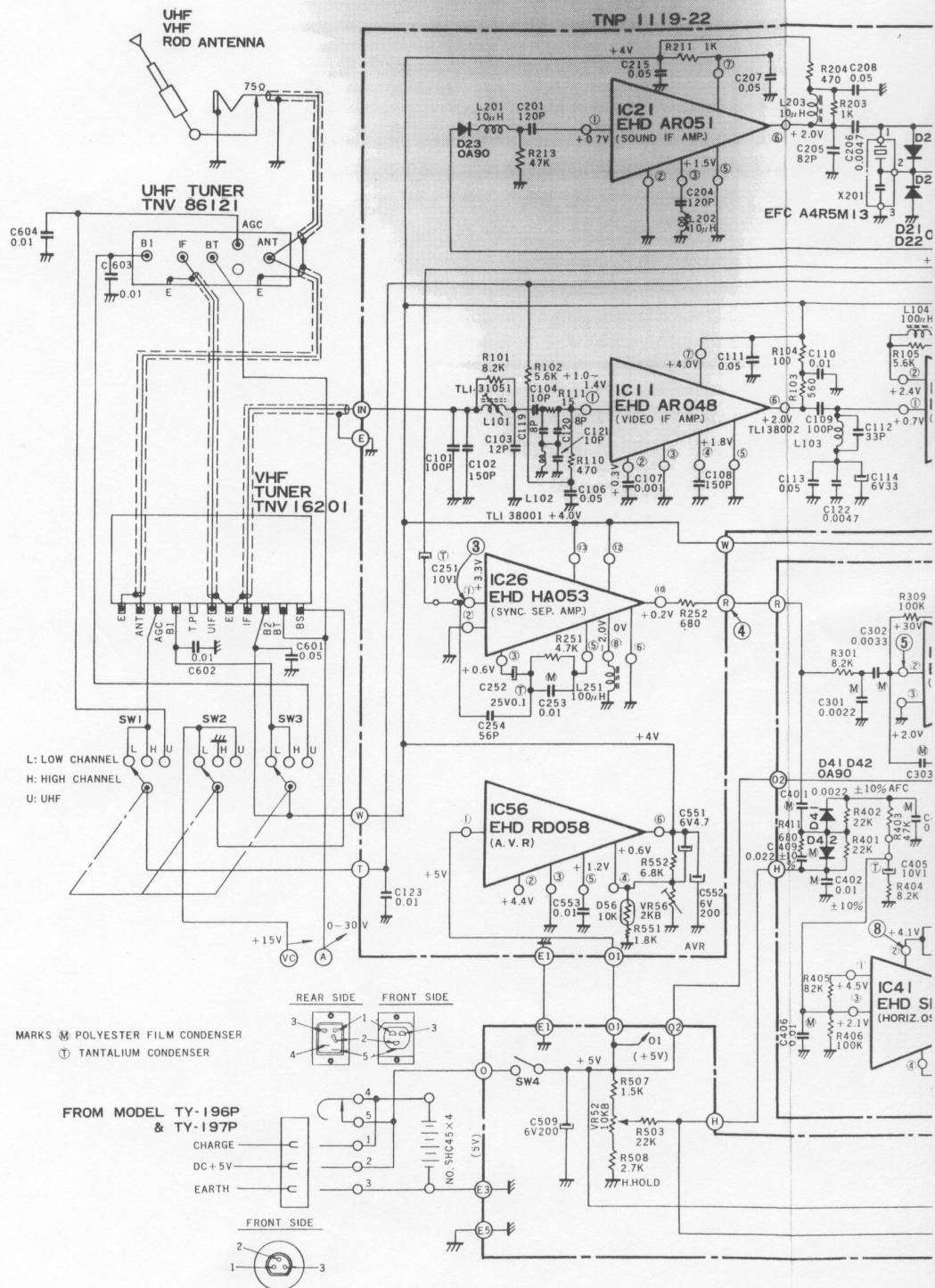
- NOTE:**
1. RESISTANCE VALUES ARE SHOWN IN OHMS:
K=1000. M=1,000,000.
 2. CAPACITANCE VALUES ARE SHOWN IN $\mu F=10^{-6} F$.
OTHERWISE NOTED P= $\mu F=10^{-12} F$.
 3. CAPACITORS MARKED " Δ " ARE $0.01 \mu F$
 4. COIL RESISTANCE VALUES LESS THAN 1 OHM ARE NOT SHOWN.
 5. DC VOLTAGES ARE READ WITH VACUUM TUBE VOLT METER AND ALL CONTROLS SET FOR NORMAL PICTURE.
 6. DC VOLTAGES IN () ARE VALUES FOR NO SIGNAL INPUT.

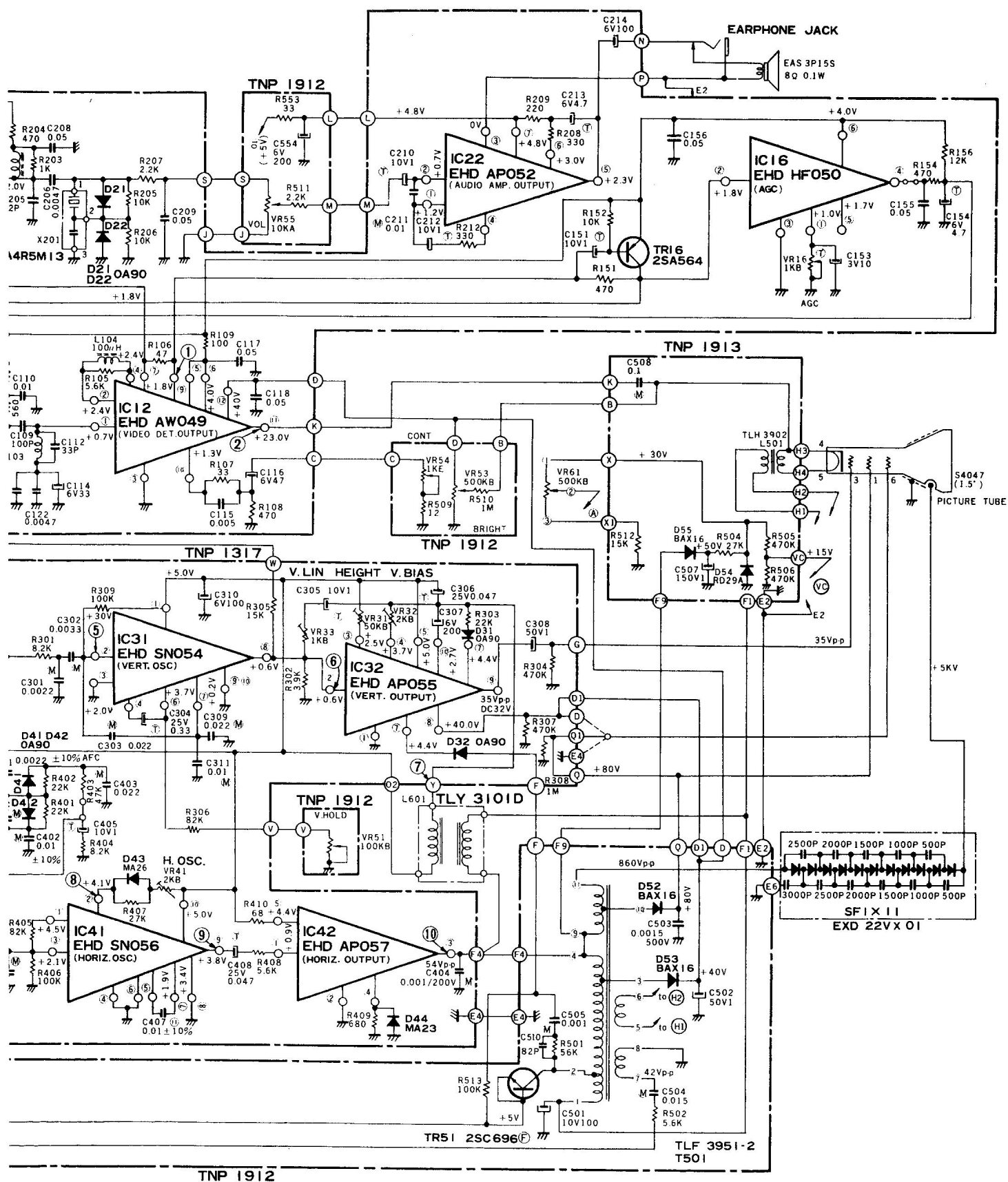
7. ALL WAVEFORMS ARE PEAK TO PEAK VOLTAGES WHEN VIDEO INPUT ② IS SET TO 0.8Vp-p AND CONTRAST, BRIGHTNESS CONTROLS ARE SET FOR MAXIMUM.
8. MARKS $\square$ INDICATE JUNCTION POINT FOR TERMINAL OF THE CIRCUIT BOARDS.
9. MARKS $\diamond$ INDICATE THE 12P TERMINAL BOARD AND ESPECIALLY $\diamond$ SHOWN -12.2V TERMINAL.
10. THE NUMBER ①, ②, ... SHOWN ON SCHEMATIC DIAGRAM INDICATE POINTS OF OBSERVATION OF THE WAVEFORMS.

MODEL TR-001



SCHEMATIC DIAGRAM MODEL TR-001





ESTER FILM CONDENSER
TALUM CONDENSER

MODEL TY-196P
& TY-197P

CHARGE

DC + 5V

EARTH

REAR SIDE FRONT SIDE



FRONT SIDE

